

Exam : 300-415

**Title : Implementing Cisco
SD-WAN Solutions
(ENSDWI)**

<https://www.passcert.com/300-415.html>

1.What are the two advantages of deploying cloud-based Cisco SD-WAN controllers? (Choose two.)

- A. centralized control and data plane
- B. distributed authentication policies
- C. management of SLA
- D. infrastructure as a service
- E. centralized raid storage of data

Answer: C D

2.An engineer is troubleshooting a certificate issue on vEdge.
Which command is used to verify the validity of the certificates?

- A. show control local-properties
- B. show control summary
- C. show certificate installed
- D. show certificate status

Answer: A

Explanation:

Reference:

<https://www.cisco.com/c/en/us/td/docs/routers/sdwan/command/sdwan-cr-book/operational-cmd.html#wp2835720000>

3.What is a benefit of the application-aware firewall?

- A. It blocks traffic by MAC address
- B. It blocks traffic by MTU of the packet.
- C. It blocks traffic by application.
- D. It blocks encrypted traffic

Answer: C

Explanation:

Reference:

https://www.cisco.com/c/en/us/td/docs/ios-xml/ios/sec_data_zbf/configuration/xr-16-9/sec-data-zbf-xr-16-9-book/sec-data-zbf-xr-16-9-book_chapter_0100100.html

4.When VPNs are grouped to create destination zone in Zone-Based Firewall, how many zones can a single VPN be part of?

- A. two
- B. four
- C. one
- D. three

Answer: C

Explanation:

Reference:

https://sdwandocs.cisco.com/Product_Documentation/Software_Features/Release_18.4/Security/Enterprise_Firewall_with_Application_Awareness

5.Which attributes are configured to uniquely Identify and represent a TLOC route?

- A. system IP address, link color, and encapsulation
- B. firewall, IPS, and application optimization
- C. site ID, tag, and VPN
- D. origin, originator, and preference

Answer: A

Explanation:

<https://www.cisco.com/c/dam/en/us/td/docs/solutions/CVD/SDWAN/CVD-SD-WAN-Design-2018OCT.pdf>

6.Which device information is required on PNP/ZTP to support the zero-touch onboarding process?

- A. serial and chassis numbers
- B. interface IP address
- C. public DNS entry
- D. system IP address

Answer: A

Explanation:

<https://www.cisco.com/c/dam/en/us/td/docs/solutions/CVD/SDWAN/sd-wan-wan-edge-onboarding-deploy-guide-2020jan.pdf>

7.Which configuration step is taken on vManage after WAN Edge list is uploaded?

- A. Send the list to controllers
- B. Enable the ZTP process
- C. Verify the device certificate
- D. Set the device as valid

Answer: D

Explanation:

<https://www.cisco.com/c/dam/en/us/td/docs/solutions/CVD/SDWAN/sdwan-wan-edge-onboarding-deploy-guide-2020nov.pdf>

device state must be moved from staging to valid. In vManage under **Configuration > Certificates > WAN Edge List**, select the WAN Edge device(s) and change the state to **valid** under the **Validity** column and click **Send to Controllers**.

8.When software is upgraded on a vManage NMS, which two image-adding options store images in a local vManage software repository? (Choose two.)

- A. To be downloaded over a SMTP connection
- B. To be downloaded over a SNMP connection
- C. To be downloaded over an out-of-band connection
- D. To be downloaded over a control plane connection
- E. To be downloaded over an ICMP connection

Answer: CD

Explanation:

Reference:

https://sdwan-docs.cisco.com/Product_Documentation/vManage_Help/Release_18.2/Maintenance/Software_Repository

9.Which policy configures an application-aware routing policy under Configuration > Policies?

- A. Localized policy
- B. Centralized policy
- C. Data policy
- D. Control policy

Answer: B

Explanation:

Reference:

<https://www.cisco.com/c/dam/en/us/td/docs/routers/sdwan/configuration/config-18-4.pdf#page=451>

10.What is a default protocol for control plane connection?

- A. IPsec
- B. HTTPS
- C. TLS
- D. DTLS

Answer: D

Explanation:

Reference:

https://sdwan-docs.cisco.com/Product_Documentation/Software_Features/SD-WAN_Release_16.3/05Security/02Configuring_Security_Parameters

11.Which logs verify when a device was upgraded?

- A. Audit
- B. Email
- C. ACL
- D. SNMP

Answer: A

Explanation:

Reference:

https://sdwan-docs.cisco.com/Product_Documentation/vManage_Help/Release_18.4/Monitor/Audit_Log

12.Which command displays BFD session summary information per TLOC on vEdge routers?

- A. show bfd history
- B. show bfd summary
- C. show bfd sessions
- D. show bfd tloc-summary-list

Answer: D

Explanation:

Reference:

https://www.cisco.com/c/en/us/td/docs/routers/sdwan/command/sdwan-cr-book/sdwan-cr-book_chapter_0100.html

13.Which Cisco SD-WAN WAN Edge platform supports LTE and Wi-Fi?

- A. vEdge2000
- B. ASR1001

- C. CSR 1000v
- D. ISR 1101

Answer: D

Explanation:

Reference:

<https://www.cisco.com/c/dam/en/us/products/collateral/routers/1000-series-integrated-services-routers-isr/q-and-a-c67-739639.pdf>

14. Which component of the Cisco SD-WAN control plane architecture facilitates the storage of certificates and configurations for network components?

- A. vSmart
- B. vBond
- C. WAN Edge
- D. vManage

Answer: D

Explanation:

Reference:

<https://www.cisco.com/c/en/us/td/docs/routers/sdwan/configuration/sdwan-xe-gs-book/system-overview.html>

15. Which type of route advertisement of OMP can be verified?

- A. OMP, VPN, and origin
- B. Origin, TLOC, and VPN
- C. Origin, TLOC, and service
- D. OMP, TLOC and service

Answer: D

Explanation:

Reference:

<https://www.cisco.com/c/dam/en/us/td/docs/routers/sdwan/configuration/config-18-2.pdf#page=122>

16. Which OSPF command makes the WAN Edge router a less preferred exit from a site with a dual WAN Edge design?

A)

```
vpn vpn-id
router
ospf
area number
range prefix/length
```

B)

```
vpn vpn-id
router
ospf
max-metric
```

C)

```

vpn vpn-id
router
  ospf
    area number
    no-summary

```

D)

```

vpn vpn-id
router
  ospf
    area number
    nssa
    no-summary

```

- A. Option A
- B. Option B
- C. Option C
- D. Option D

Answer: B

17. Which two services are critical for zero touch provisioning on-boarding? (Choose two)

- A. SNMP
- B. DNS
- C. DHCP
- D. AAA
- E. EMAIL

Answer: B C

Explanation:

Reference: <https://www.grandmetric.com/2020/03/23/zero-touch-provisioning-ztp-cisco-sd-wan-work/>

18. Refer to the exhibit.

			PEER		PEER		CONTROLLER				
PEER	PEER	PEER	SITE DOMAIN		PEER	PRIVATE	PEER	PUBLIC	GROUP		
TYPE	PROTOCOL	SYSTEM	IP	ID	PRIVATE IP	PORT	PUBLIC IP	PORT	LOCAL	COLOR	STATE
UPTIME	ID										
vbond	dtls	-	0	0	1.3.25.25	12346	1.3.25.25	12346	gold	connect	0
vbond	dtls	-	0	0	1.3.25.25	12346	1.3.25.25	12346	silver	connect	0

An engineer is troubleshooting a control connection issue.

What does "connect" mean in this how control connections output?

- A. Control connection is down
- B. Control connection is connected
- C. Control connection attempt is in progress
- D. Control connection is up

Answer: C

Explanation:

Reference:

<https://community.cisco.com/t5/networking-documents/sd-wan-routers-troubleshoot-control-connections/t-a-p/3813237>

19.Which hardware component is involved in the Cisco SD-WAN authentication process for ISR platforms?

- A. TPMD
- B. ZTP
- C. TPC
- D. SUDI

Answer: D

Explanation:

Reference:

<https://www.cisco.com/c/dam/en/us/td/docs/solutions/CVD/SDWAN/sdwan-wan-edge-onboarding-deploy-guide-2020nov.pdf>

20.Which alarm setting is configured to monitor serious events that affect but do not shut down, the operation of a network function?

- A. Minor
- B. Major
- C. Medium
- D. Critical


Answer: B

Explanation:

Reference:

https://sdwan-docs.cisco.com/Product_Documentation/vManage_How-Tos/Troubleshooting/Monitor_Alarms

21.Refer to the exhibit.

Hostname	State	System IP	Reachability	Site ID	Device Model	BFD	Control
 BR1-VEGE1		10.3.0.1	reachable	300	vEdge Cloud	8	5

What does the BFD value of 8 represent?

- A. number of BFD sessions
- B. hello timer of BFD session
- C. poll-interval of BFD session.
- D. dead timer of BFD session

Answer: A

22.How is the scalability of the vManage increased in Cisco SD-WAN Fabric?

- A. Increase licensing on the vManage
- B. Deploy multiple vManage controllers in a cluster

- C. Deploy more than one vManage controllers on different physical server.
- D. Increase the bandwidth of the WAN link connected to the vManage

Answer: B

23. Which component of the Cisco SD-WAN control plane architecture should be located in a public Internet address space and facilitates NAT-traversal?

- A. vBond
- B. WAN Edge
- C. vSmart
- D. vManage

Answer: A

Explanation:

Reference:

[https://www.cisco.com/c/dam/global/da_dk/assets/pdfs/cisco_virtual_update_cisco_sdwan_viptela .pdf](https://www.cisco.com/c/dam/global/da_dk/assets/pdfs/cisco_virtual_update_cisco_sdwan_viptela.pdf)

24. Refer to the exhibit.

```
policy
  policer ccnp
    rate 1000000
    burst 15000
    exceed drop
  !
access-list acl-guest
  sequence 1
    match
      source-ip 172.16.10.0/24
      destination-ip 172.16.20.0/24
      destination-port 20
      protocol 6
    !
    action accept
      policer ccnp
    !
  !
  default-action drop
```

Which QoS treatment results from this configuration after the access list acl-guest is applied inbound on the vpn1 interface?

- A. A UDP packet sourcing from 172.16.20.1 and destined to 172.16.10.1 is accepted
- B. A TCP packet sourcing from 172.16.10.1 and destined to 172.16.20.1 is dropped
- C. A UDP packet sourcing from 172.16.10.1 and destined to 172.16.20.1 is dropped.
- D. A TCP packet sourcing from 172.16.20.1 and destined to 172.16.10.1 is accepted

Answer: C